Index of Authors and Papers

Ahmad, N.H. I. Hameed and J.A. Najim, The observation of surface spin wave modes in nickel films evaporated at oblique incidence 203 (1994) 17
Ahmed, H., see A.M. Marsh 203 (1994) 307
Akinlade, O., Z. Badirkhan, A theoretical study of ordering phenomena in K–In and K–Sb molten alloys 203 (1994) 1
Andres, K., see M. Kund 203 (1994) 129
Averin, D.V. and Y.V. Nazarov, Parity effect in a small superconducting island 203 (1994) 310

Badirkhan, Z., see O. Akinlade 203 (1994) 1
Bagwell, P.F., R. Riedel and L. Chang, Mesoscopic Giaever and Josephson junctions 203 (1994) 475
Bartholin, H., see E. Nigrelli 203 (1994) 107
Bartholin, H., see E. Nigrelli 203 (1994) 99
Beenakker, C.W.J., see J.A. 203 (1994) 219
Beletskii, V.I., see Kh.B. Chashka 203 (1994) 75
Bellissent-Funel, M.-C., see J. Dawidowski 203 (1994) 116
Blaise, A., see J.A. Paixão 203 (1994) 137
Bobrov, V.B., S.A. Trigger and Yu.P. Vlasov, On a peculiarity of the dynamic structure factor of superfluid helium 203 (1994) 95
Bojko, R., see N.E. Israeloff 203 (1994) 454
Bonnet, M., see J.A. Paixão 203 (1994) 137
Borghs, G., see B.J. van Wees 203 (1994) 285
Brabers, J.H.V.J., see J.H.P. Colpa 203 (1994) 29
Bréandon, C., see E. Nigrelli 203 (1994) 107
Bréandon, C., see E. Nigrelli 203 (1994) 99
Bruder, C., R. Fazio and G. Schön, Mesoscopic normal metal–superconductor junction systems: The effective action approach 203 (1994) 240
Bruder, C., see R. Fazio 203 (1994) 247
Burlet, P., see E. Nigrelli 203 (1994) 107
Burlet, P., see E. Nigrelli 203 (1994) 99
Burlet, P., see J.A. Paixão 203 (1994) 137

Chang, L., see P.F. Bagwell 203 (1994) 475
Chashka, Kh.B., V.I. Beletskii and M.A. Obolenskii, Electrical resistance of $NbSe_3$-single crystals under uniaxial pressure 203 (1994) 75
Claeson, T., see L. Kuzmin 203 (1994) 376
Clark, T.D., see J.F. Ralph 203 (1994) 388
Clark, T.D., see R.J. Prance 203 (1994) 381
Colpa, J.H.P. and J.H.V.J. Brabers, On the magnetic three-sublattice model with two equivalent sublattices 203 (1994) 29
Coyler, G.J., see J.F. Ralph 203 (1994) 388
Cuello, G.J., see J. Dawidowski 203 (1994) 116
Cui, Q., see J. Meng 203 (1994) 186
Curély, J., Thermodynamics of alternating quantum (1/2, $S')_N$ chains with z–z type couplings and local uniaxial anisotropy on quantum spins s' 203 (1994) 87

Dawidowski, J., J.R. Granada, R.E. Mayer, G.J. Cuello, V.H. Gillette and M.-C. Bellissent-Funel, Multiple scattering and inelasticity corrections in thermal neutron scattering experiments on molecular systems 203 (1994) 116
Delapalme, A., see J.A. Paixão 203 (1994) 137
Devoret, M.H., see H. Pothier 203 (1994) 226
Devoret, M.H., see T. Holst 203 (1994) 397
Diener, G., see J.J. Hesse 203 (1994) 393
Diggins, J., see R.J. Prance 203 (1994) 381
Dimoulas, A., see B.J. van Wees 203 (1994) 285
Dresselhaus, P.D., see J.E. Lukens 203 (1994) 354
Dwivedi, P.K., S.K. Srivastava, R.K. Shukla and A. Kumar, Photoconductivity in amorphous thin films of $Se_{70}Te_{30-x}Cd_x$ 203 (1994) 81

Eckern U., Superconductivity in restricted geometries 203 (1994) 448
Elion, W.J., J.J. Wachters, L.L. Sohn and J.E. Mooij, The Aharonov–Casher effect for vortices in Josephson-junction arrays 203 (1994) 497
Esteve, D., see H. Pothier 203 (1994) 226
Esteve, D., see T. Holst 203 (1994) 397

Fazio R., C. Bruder, A. van Otterlo and G. Schön, The interplay of proximity and charging effects 203 (1994) 247
Fazio, R., see A. van Otterlo 203 (1994) 504
Fazio, R., see A.A. Odintsov 203 (1994) 361
Fazio, R., see C. Bruder 203 (1994) 240
Ferrer, J., see F. Sols 203 (1994) 467
Flaci, G., J. Heins, G. Schön and G.T. Zimanyi, Tunneling in the electron box in the nonperturbative regime 203 (1994) 409

Flensberg K., Capacitance and conductance of dots connected by quantum point contacts 203 (1994) 432
Fournier, J.M., see E. Nigrelli 203 (1994) 107
Fournier, J.M., see E. Nigrelli 203 (1994) 99
Furusaki, A., DC Josephson effect in dirty SNS junctions: numerical study 203 (1994) 214

George, T.F., see C.-I. Um 203 (1994) 151
Gillette, V.H., see J. Dawidowski 203 (1994) 116
Giordano, N., Superconducting fluctuations in one dimension 203 (1994) 460
Glazman, L.I., F.W.J. Hekking, K.A. Matveev and R.I. Shekhter, Charge parity in Josephson tunneling through a superconducting grain 203 (1994) 316
Goldman, A.M., see N.E. Israeloff 203 (1994) 454
Golubev, D.S., see A.D. Zaikin 203 (1994) 417
Graaf, W.v.d., see B.J. van Wees 203 (1994) 285
Granada, J.R., see J. Dawidowski 203 (1994) 116
Guan, H., see W. Hu 203 (1994) 147
Guéron, S., see H. Pothier 203 (1994) 226
Guinea, F. and M. Ueda, Low energy processes in small tunnel junctions 203 (1994) 440
Gunsenheimer, U. and A.D. Zaikin, Dissipative charge transport in mesoscopic SNS junctions 203 (1994) 280

Halse, M.R., H.J. Rahman and J.H. Strange, A study of the diffusion of decane into lightly cross-linked natural rubber by broad-line MRI 203 (1994) 169
Hameed, I., see N.H. Ahmad 203 (1994) 17
Hammann, J., see F. Lefloch 203 (1994) 63
Han, S., see J.E. Lukens 203 (1994) 354
Hansen, J.B., see H. Takayanagi 203 (1994) 291
Haviland, D.B., Yu. Pashkin and L.S. Kuzmin, Measurement of the superconducting single electron transistor in a high impedance environment 203 (1994) 347
Heida, J.P., see B.J. van Wees 203 (1994) 285
Heins, J., see G. Flaci 203 (1994) 409
Hekking, F.W.J., see A.A. Odintsov 203 (1994) 361
Hekking, F.W.J., see L.I. Glazman 203 (1994) 310
Hergenrother, J.M., M.T. Tuominen, J.G. Lu, D.C. Ralph and M. Tinkham, Charge transport and photon-assisted tunneling in the NSN single-electron transistor 203 (1994) 327
Hesse, J.J. and G. Diener, Andreev reflection in ultrasmall NSN-devices with electromagnetic environment 203 (1994) 393
Holst, T., D. Esteve, C. Urbina and M.H. Devoret, Observation of the effect of an electromagnetic environment with sharp resonances on the current–voltage characteristic of a small capacitance tunnel junction 203 (1994) 397
Hu, B.-P., see K.-Y. Wang 203 (1994) 54
Hu, E.L., see H. Kroemer 203 (1994) 298
Hu, W., L. Wang, L. Wu, B. Zhang, H. Guan, The activation energy and the Avrami exponent for crystallization in amorphous $Fe_{70.45}W_{1.55}Si_3B_{25}$ 203 (1994) 147

Ingold, G.-L., Superconducting box coupled to a classical environment 203 (1994) 369
Isoda, H., see R. Kawashima 203 (1994) 59
Israeloff, N.E., F. Yu, A.M. Goldman and R. Bojko, Nonlocal conductance of small superconducting loops in the paraconductive regime 203 (1994) 454

Ji, L., see J.E. Lukens 203 (1994) 354
Jose, J.V. and C. Rojas, Superconducting to normal state phase boundary in arrays of ultrasmall Josephson junctions 203 (1994) 481

Kawashima, R., S. Nishimura and H. Isoda, $1/f^{\alpha}$ fluctuations in nonequilibrium and nonlinear phenomena of samarium nitrate crystals 203 (1994) 59
Khmelnitskii, D.E. and B.A. Muzykantskii 203 (1994) 233
Klapwijk, T.M., see B.J. van Wees 203 (1994) 285
Kroemer, H., C. Nguyen, E.L. Hu, E.L. Yuh, M. Thomas and Ki C. Wong, Quasiparticle transport and induced superconductivity in InAs–AlSb quantum wells with Nb electrodes 203 (1994) 298
Kumar, A., see P.K. Dwivedi 203 (1994) 81
Kund, M., K. Andres, H. Müller and G. Saito, A study of the thermal expansion of the organic superconductors κ-(BEDT–TTF)$_2$Cu[N(CN)$_2$]Br$_{1-x}$Cl$_x$ 203 (1994) 129
Kuzmin, L., Y. Pashkin, A. Zorin and T. Claeson, Linewidth of Bloch oscillations in small Josephson junctions 203 (1994) 376
Kuzmin, L.S., see D.B. Haviland 203 (1994) 347

Lai, W.-Y., see K.-Y. Wang 203 (1994) 54
Lambert, C.J., Phase coherent transport in mesoscopic superconducting structures 203 (1994) 201
Lander, G.H., see J.A. Paixão 203 (1994) 137
Lee, S.-Y., see C.-I. Um 203 (1994) 151
Lefloch, F., J. Hammann, M. Ocio and E. Vincent, Spin glasses in a magnetic field: Phase diagram and dynamics 203 (1994) 63
Likharev, K.K., see J.E. Lukens 203 (1994) 354
Lu, J.G., see J.M. Hergenrother 203 (1994) 327
Lukens, J.E., P.D. Dresselhaus, S. Han, L. Ji, K.K. Likharev and W. Zheng, Comparison of single electron traps in the superconducting and normal states 203 (1994) 354

Ma, Y., see J. Meng 203 (1994) 186
Marsh, A.M., D.A. Williams and H. Ahmed, Multiple Andreev reflection in buried heterostructure – alloy superconductor devices 203 (1994) 307
Mattenberger, K., see E. Nigrelli 203 (1994) 107
Mattenberger, K., see E. Nigrelli 203 (1994) 99
Matveev, K.A., Charge fluctuations under the Coulomb blockade conditions 203 (1994) 404
Matveev, K.A., see L.I. Glazman 203 (1994) 310
Mayer, R.E., see J. Dawidowski 203 (1994) 116
Melsen, J.A. and C.W.J. Beenakker, Reflectionless tunneling through a double-barrier NS junction 203 (1994) 219
Meng, J., G. Zou, Y. Ma, Q. Cui, 'Soft optical phonons' and the structure transition of bismuth titanate system doped with Nd and Sb 203 (1994) 186
Misra, S.K. Estimation of the Mn^{2+} zero-field splitting parameter from a polycrystalline EPR spectrum 203 (1994) 193
Mooij, J.E., see W.J. Elion 203 (1994) 497
Müller, H., see M. Kund 203 (1994) 129
Muehlschlegel, B., Superconductivity of small particles 203 (1994) 444
Muzykantskii, B.A. and D.E. Khmelnitskii, On quantum shot noise 203 (1994) 233

Najim, J.A., see N.H. Ahmad 203 (1994) 17
Nakotte, H., see J.A. Paixão 203 (1994) 137
Nam, S.-T., see C.-I. Um 203 (1994) 151
Nazarov, Y.V., see D.V. Averin 203 (1994) 310
Nazarov, Yu.V., see A.A. Odintsov 203 (1994) 513
Nguyen, C., see H. Kroemer 203 (1994) 298
Nigrelli, E., H. Bartholin, C. Bréandon, P. Burlet, J.M. Fournier, K. Mattenberger and O. Vogt, Electrical resistivity of $UP_{1-x}S_x$ solid solutions with applied uniaxial stress or magnetic field 203 (1994) 99
Nigrelli, E., H. Bartholin, C. Bréandon, P. Burlet, J.M. Fournier, K. Mattenberger and O. Vogt, AC magnetic susceptibility and neutron diffraction experiments on $UP_{1-x}S_x$ solid solutions 203 (1994) 107
Nishimura, S. see R. Kawashima 203 (1994) 59
Nitta, J., see Takayanagi 203 (1994) 291

Obolenskii, M.A., see Kh.B. Chashka 203 (1994) 75
Ocio, M., see F. Lefloch 203 (1994) 63
Odintsov, A.A. and Yu.V. Nazarov, Quantum Hall states of Cooper pairs and vortices in Josephson arrays 203 (1994) 513
Odintsov, A.A., R. Fazio and F.W.J. Hekking, Josephson current of interacting electrons 203 (1994) 361
Orlando, T.P., see H.S.J. van der Zant 203 (1994) 490

Paixão, J.A., J. Rebizant, A. Blaise, A. Delapalme, J.P. Sanchez, G.H. Lander, H. Nakotte, P. Burlet and M. Bonnet, Magnetism of a new U–Sb phase: U_5Sb_4 203 (1994) 137
Pandey, L.N., see C.-I. Um 203 (1994) 151
Pannetier, B., see K. Runge 203 (1994) 520
Panyukov, S.V. and A.D. Zaikin, Glassy states with frozen-in currents and paramagnetism of granular high temperature superconductors 203 (1994) 527
Panyukov, S.V., see A.D. Zaikin 203 (1994) 417
Pashkin, Y., see L. Kuzmin 203 (1994) 376
Pashkin, Yu., see D.B. Haviland 203 (1994) 347
Pothier, H., S. Guéron, D. Esteve and M.H. Devoret, Influence of electronic interferences on the Andreev conductance 203 (1994) 226
Prance, H., see J.F. Ralph 203 (1994) 388
Prance, H., see R.J. Prance 203 (1994) 381
Prance, R.J., T.D. Clark, R. Whiteman, J. Diggins, J.F. Ralph, H. Prance, T.P. Spiller, A. Widom and Y. Srivastava, Reactive probing of macroscopically quantum mechanical SQUID rings 203 (1994) 381
Prance, R.J., see J.F. Ralph 203 (1994) 388

Rahman, H.J., see M.R. Halse 203 (1994) 169
Ralph, D.C., see J.M. Hergenrother 203 (1994) 327
Ralph, J.F., see R.J. Prance 203 (1994) 381
Ralph, J.F., G.J. Coyler, T.D. Clark, T.P. Spiller, R.J. Prance and H. Prance, A quantum electrodynamic model for thick superconducting rings 203 (1994) 388
Rebizant, J., see J.A. Paixão 203 (1994) 137
Riedel, R., see P.F. Bagwell 203 (1994) 475
Rojas, C., see J.V. Jose 203 (1994) 481
Runge, K., B. Pannetier, Magnetic decoration of superconducting Nb wire networks 203 (1994) 520

Saito, G., see M. Kund 203 (1994) 129
Sanchez, J.P., see J.A. Paixão 203 (1994) 137
Schön G., J. Siewert and A.D. Zaikin, Parity effects in superconducting SET transistors 203 (1994) 340
Schön G., see H. Schoeller 203 (1994) 423
Schön, G., see A. van Otterlo 203 (1994) 504
Schön, G., see C. Bruder 203 (1994) 240
Schön, G., see G. Flaci 203 (1994) 409
Schön, G., see R. Fazio 203 (1994) 247
Schoeller, H. and G. Schön, Resonant tunneling and charge fluctuations in mesoscopic tunnel junctions 203 (1994) 423
Shekhter, R.I., see L.I. Glazman 203 (1994) 310
Shukla, R.K., see P.K. Dwivedi 203 (1994) 81
Siewert, J., see G. Schön 203 (1994) 340
Singh, N., Lattice dynamics of HCP metals in real space 203 (1994) 22

Sohn, L.L., see W.J. Elion 203 (1994) 497
Sols, F., J. Ferrer and I. Zapata, Macroscopic description of phase-coherent transport in quasi-one-dimensional superconducting structures 203 (1994) 467
Spiller, T.P., see J.F. Ralph 203 (1994) 388
Spiller, T.P., see R.J. Prance 203 (1994) 381
Srivastava, S.K., see P.K. Dwivedi 203 (1994) 81
Srivastava, Y., see R.J. Prance 203 (1994) 381
Strange, J.H., see M.R. Halse 203 (1994) 169
Strogatz, S.H., see H.S.J. van der Zant 203 (1994) 490
Świrkowicz, R., The dynamic susceptibility and spin waves in layered structures 203 (1994) 9

Takayanagi, H., J.B. Hansen and J. Nitta, Mesoscopic fluctuations in the critical current in InAs-coupled Josephson junctions 203 (1994) 291
Thomas, M., see H. Kroemer 203 (1994) 298
Tinkham, M., see J.M. Hergenrother 203 (1994) 327
Trigger, S.A., see V.B. Bobrov 203 (1994) 95
Tuominent M.T., see J.M. Hergenrother 203 (1994) 327

Ueda, M., see F. Guinea 203 (1994) 440
Um C.-I., S.-K. Yoo, S.-Y. Lee, S.-T. Nam, T.F. George and L.N. Pandey 203 (1994) 151
Urbina, C., see T. Holst 203 (1994) 397

van der Zant, H.S.J., T.P. Orlando, S. Watanabe and S.H. Strogatz, Vortices trapped in discrete Josephson rings 203 (1994) 490
van Otterlo, A., R. Fazio and G. Schön, Qunatum vortex dynamics in Josephson junction arrays 203 (1994) 504
van Otterlo, A., see R. Fazio 203 (1994) 247
van Wees, B.J., A. Dimoulas, J.P. Heida, T.M. Klapwijk, W.v.d. Graaf and G. Borghs, Supercurrent transport and quasiparticle interference in a mesoscopic two-dimensional electron gas coupled to superconductors 203 (1994) 285
Vincent, E., see F. Lefloch 203 (1994) 63
Vlasov, Yu.P., see V.B. Bobrov 203 (1994) 95
Vogt, O., see E. Nigrelli 203 (1994) 107
Vogt, O., see E. Nigrelli 203 (1994) 99
Volkov, A.F., The proximity effect and subgap conductivity in superconductor–barrier–normal metal contacts 203 (1994) 267

Wachters, J.J., see W.J. Elion 203 (1994) 497
Wang, K.-Y., Y.-Z. Wang, B.-P. Hu and W.-Y. Lai, Magnetic properties of Sm–Fe–Ti and its nitrides with $TbCu_7$-type structure 203 (1994) 54
Wang, L., see W. Hu 203 (1994) 147
Wang, Y.-Z., see K.-Y. Wang 203 (1994) 54
Watanabe, S., see H.S.J. van der Zant 203 (1994) 490
Whiteman, R., see R.J. Prance 203 (1994) 381
Widom, A., see R.J. Prance 203 (1994) 381
Williams, D.A., see A.M. Marsh 203 (1994) 307
Wong, Ki C., see H. Kroemer 203 (1994) 298
Wu, L., see W. Hu 203 (1994) 147

Yoo, S.-K., see C.-I. Um 203 (1994) 151
Yu, F., see N.E. Israeloff 203 (1994) 454
Yuh, E.L., see H. Kroemer 203 (1994) 298

Zaikin, A.D., Influence of Coulomb and proximity effects on electron tunneling through normal metal–superconductor interfaces 203 (1994) 255
Zaikin, A.D., D.S. Golubev and S.V. Panyukov, Single electron tunneling near the Coulomb blockade threshold 203 (1994) 417
Zaikin, A.D., see G. Schön 203 (1994) 340
Zaikin, A.D., see S.V. Panyukov 203 (1994) 527
Zaikin, A.D., see U. Gunsenheimer 203 (1994) 280
Zaitsev, A.V., Phase-coherent conductance of mesoscopic superconductor–normal-metal coupled systems 203 (1994) 274
Zapata, I., see F. Sols 203 (1994) 467
Zhang, B., see W. Hu 203 (1994) 147
Zheng, W., see J.E. Lukens 203 (1994) 354
Zimanyi, G.T., see G. Flaci 203 (1994) 409
Zorin, A., see L. Kuzmin 203 (1994) 376
Zou, G., see J. Meng 203 (1994) 186

Analytic Subject Index

AC magnetic susceptibility 107
Activation energy 147
Aging phenomena 63
Aharonov–Bohm effect 504
Aharonov–Bohm oscillations 274
Aharanov–Casher effect 497, 504
Andreev conductance 226
Andreev reflection 201, 240, 255, 280, 285, 298, 307, 327, 340, 393
Anisotropy 87
Arrays 481, 497, 504, 513
Avrami exponents 147

Ballistic 219, 255, 280, 285, 490, 504
Bloch oscillations 376
Bose gas 95

$CdCr_{1.7}In_{0.3}Sn_4$ 63
CDW transition 75
Charge fluctuations 369, 404, 423, 432
Charging effects 240, 247, 255, 409
Cotunneling 240, 255, 423
Coulomb blockade 255, 316, 327, 347, 393, 404, 417, 432
Critical current 214, 247, 291, 316, 467, 475

Diffusion 169, 255, 285
Disorder 219, 285
Dissipation 280, 316, 504
Dynamic structure factor 95
Dynamic susceptibility 9

Effective action 240, 255
Elastic constants 22
Electrical resistance 75, 99
Electromagnetic fields 347, 388
Electron box 409
Environment 347, 369, 376, 393, 490
EPR 193

$Fe_{70.45}W_{1.55}Si_3B_{25}$ 147
Ferrimagnetism 87
Fluctuations, $1/f^{\alpha}$ 59
Frustration 481, 520

Ginzburg–Landau equation 467
Ginzburg–Landau formulation 247

Hall effect 504, 513
HCP metals 22
Helium, superfluid 95
Helium-4, liquid 151
High-temperature superconductors 527

Impurity scattering 214
Inelasticity corrections 116
Interference 201, 219, 226, 274, 285, 475, 497, 504

Josephson current 214, 316, 361
Josephson junctions 291, 376, 475, 481, 490, 497, 504, 513

K–In molten alloys 1
K–Sb molten alloys 1
Keldysh technique 280
Kondo model 404

Lattice dynamics 22
Layered structures 9
Luttinger model 361

Magnetic decoration 520
Magnetic fields 201, 214, 307, 316, 347, 513, 520, 527
Magnetic 3-sublattice model 29
Magnetism 137
Mesoscopic fluctuations 214, 291
Microwave radiation 327, 376
Mn^{2+} 193
Monte Carlo 409, 481
MRI 169
Multiple scattering 116

$NbSe_3$ single crystals 75
Neutron diffraction 107, 116
Ni films 17
NINIS junctions 219
NIS junctions 219
Nitrides 54
Nonequilibrium 59
Nonlinearity 59
Nonlocal conductance 454
NS junctions 219, 233, 240, 255, 267, 274
NSN junctions 255, 327, 393

Order parameters 201, 310, 448
Ordering phenomena 1
Organic superconductors 129
Optical phonons, soft 186

Paraconductivity 267, 454
Paramagnetism 527
Parity effect 247, 310, 316, 340
Permanent magnets 54
Persistent currents 448
Phase diagrams 63
Phase difference 201, 226, 285, 467, 475
Phase slip 460
Phonon dispersion curves 22
Photoconductivity 81
Photon-assisted tunneling 327
Polycrystalline powder 193
Polymers 169
Proximity effect 240, 247, 255, 267

Quantum chains 87
Quantum dots 404, 432
Quantum fluctuations 255, 417, 423
Quantum Hall states 513
Quantum point contacts 233, 432
Quantum wells 298

Raman scattering 186
Rare-earth iron intermetallics 54
Reflectionless tunneling 219
Resonant tunneling 423

Samarium nitrate crystals 59
$Se_{70}Te_{30-x}Cd_x$ 81
Shot noise 233
Single electron traps 354
Single electron tunneling 240, 255, 327, 340, 417
SIS junctions 504

SNS junctions 214, 280, 467
SNSNS junctions 467
Spin glasses 63
Spin waves 9
Splitting parameter, zero-field 193
SQUID rings 381
SSS junctions 316, 347
Structure phase transition 186
Subgap conductivity 267, 280
Sublattices, magnetic 29
Superconducting box 369
Superconducting fluctuations 454, 460
Supercurrent 240, 247, 285
Surface spin wave modes 17

Thermal conductivity 151
Thermal expansion 129
Thermodynamical properties 310, 444
Two-dimensional electron gas 285, 307

U_5Sb_4 137
$UP_{1-x}S_x$ 99, 107
Uniaxial pressure 75

Virtual tunneling 409, 417
Viscosity 151
Vortices 490, 497, 504, 513, 520

z–z coupling 87